

Work Order ID 139854

December 10, 2015 10:30:25 AM

139854

Page 1

Item ID: D022-661-041

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: R22 Bearpaw Wearplates

Stop

NS2

Start Date: 12/10/2015 Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/23/2015 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

Sh

Date: 20151210

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

DSI 9717

A

DAS
6
9-89

100

Document Control

0.00

100

DC

DOCUMENT CONTROL

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D022-661-041/ DSI9717-041 CHG001

DAS
27
9-89

MAR 08 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

2x DAS
26
9-89

DEC 14 2015

DAS
28
9-89

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
27
9-89

MAR 08 2016

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Page 2

Item ID: D022-661-041

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: R22 Bearpaw Wearplates

Start Date: 12/10/2015 Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/23/2015 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D022-661-041/ DSI9717-041
Location: _____X1 sold
X1 fg 014BAS
27
9-89

MAR 08 2016

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MLJ

MAR 08 2016

MAR 08 2016

MLJ

Picklist Print

December 10, 2015 10:30:30 AM

Page 1

Work Order ID: 139854

139854

Parent Item: D022-661-041

D022-661-041

Parent Item Name: R22 Bearpaw Wearplates

Start Date: 12/10/2015

Required Date: 12/23/2015

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A 15.02.24 NEW ISSUE DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4-14A		Purchased	No				Each	508.0000	9	8			DAS 26 9-89
---------	--	-----------	----	--	--	--	------	----------	---	---	--	--	-------------------

AN4-14A

Bolt

Location

Loc Qty

Loc Code

FG 5

122141 5

ST325A 400

M133769 400

ST344 103

M133316 103

Each 0.0000

DEC 14 2015

DAS
28
9-89

D5222-041

D5222-041

Wearplate Assembly

Manufactured No

**

4

142231

MAR 08 2016

DAS
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9-89

DAS
27
9-89

Picklist Print

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Page 2

Work Order ID: 139854

139854

Parent Item: D022-661-041

D022-661-041

Parent Item Name: R22 Bearpaw Wearplates

Start Date: 12/10/2015

Required Date: 12/23/2015

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

Each

3,645.000

8

MS21042L4

Locknut

**

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

2

m124231

2

GA

49

m127813

49

ST260a

138

m130799

56

m131803

6

m132262

76

ST303

3287

m133363

287

m133769

3000

ST305

169

m128300

8

m130388

7

m130922

97

m132123

56

m133316

1

DEC 14 2015

DAS
28
9-89

8x

Picklist Print

December 10, 2015 10:30:30 AM

Page 3

Work Order ID: 139854

139854

Parent Item: D022-661-041

D022-661-041

Parent Item Name: R22 Bearpaw Wearplates

Start Date: 12/10/2015

Required Date: 12/23/2015

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0463J

Purchased

No

Each

3,078.000

NAS1149D0463.J

WASHER

**

DAS

26

DEC 14 2015

DAS
27
9-89

Location

Loc Qty

Loc Code

GA	432	
M129390	41	
M132035	391	
ST263	1212	
M133284	42	
M133316	1170	
ST269	1434	
M129682	39	
M130799	371	
M132317	101	
M132677	888	
M133077	35	

8x.

DAS
28
9-89

DART SERVICE INSTRUCTION
TO AMEND INSTALLATION INSTRUCTIONS IIN-D022-661 REV. B AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D022-661 REV. 0
OR LATER APPROVED REVISION
REF. TCCA STC: SH02-9
REF. FAA STC: SR01493NY

1.0 Purpose

The purpose of this Dart Service Instruction (DSI) is to provide instructions to install the D022-661-041 Wearplate Kit as part of the D022-661-011 Bearpaw Kit in order to provide additional protection for the bearpaw and better grip on slippery surfaces.

2.0 Installation

- 2.1. Lift the skidtube per the Aircraft Maintenance Manual. Ensure the skidtubes are serviceable. Remove the forward set of bolts on the D022-661-011 Bearpaws per ICA-D022-661 and retain hardware. Bearpaws may be removed at customer's option.
- 2.2. Locate a D5222-041 Wearplate on the bottom side of each D3076-1 Bearpaw per Figure 1.
- 2.3. Ensure the D3076-1 Bearpaw and D5222-041 Wearplate are positioned on the aft end of each skidtube as shown in Figure 2.
- 2.4. Lower the aircraft so the aircraft is resting on the bearpaws.
- 2.5. Attach the D2870 Clamp with the hardware shown in Figure 3
CAUTION: The torque on the nuts should be limited to 20 in-lb (2.3 Nm).

NOTE: Additional NAS1149D0463J washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is acceptable to replace the AN4 bolts with longer or shorter AN4 bolts if required.

- 2.6. Update aircraft log book to indicate installation of D022-661-041 Wearplate kit and adjust weight and balance record of the aircraft with the weight and balance data provided in Section 3 of this DSI.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 15.02.04
CERT. NO.: SH02-9
ISSUE NO.: 1

20151210

SH-139854

A	NEW ISSUE	VS	15.02.04
REV.	DESCRIPTION	BY	DATE
DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9717	SHEET 1 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.		WEARPLATE INSTALLATION	NTS
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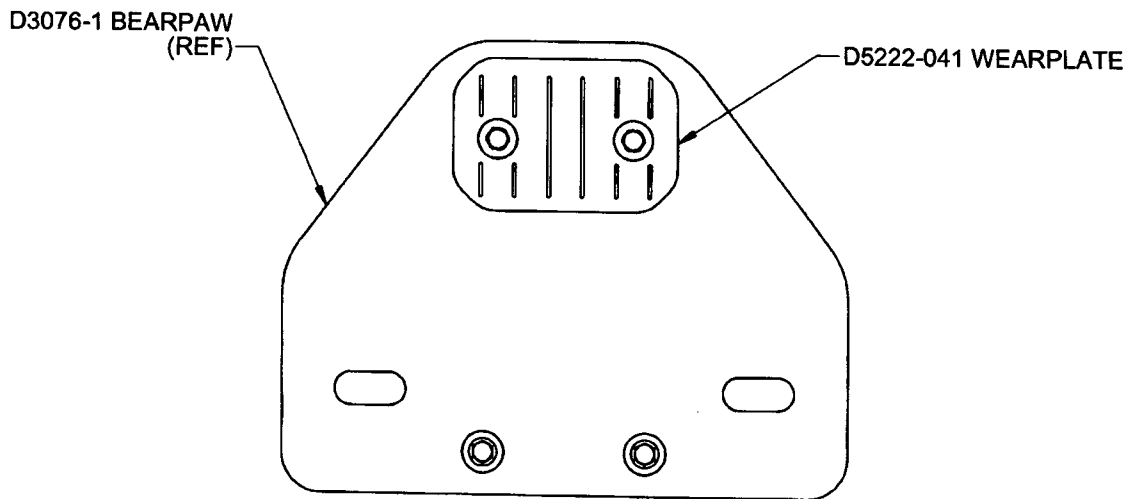


Figure 1 - Installation of D5222-041 Wearplate on D3076-1 Bearpaw
(View from under bearpaw)

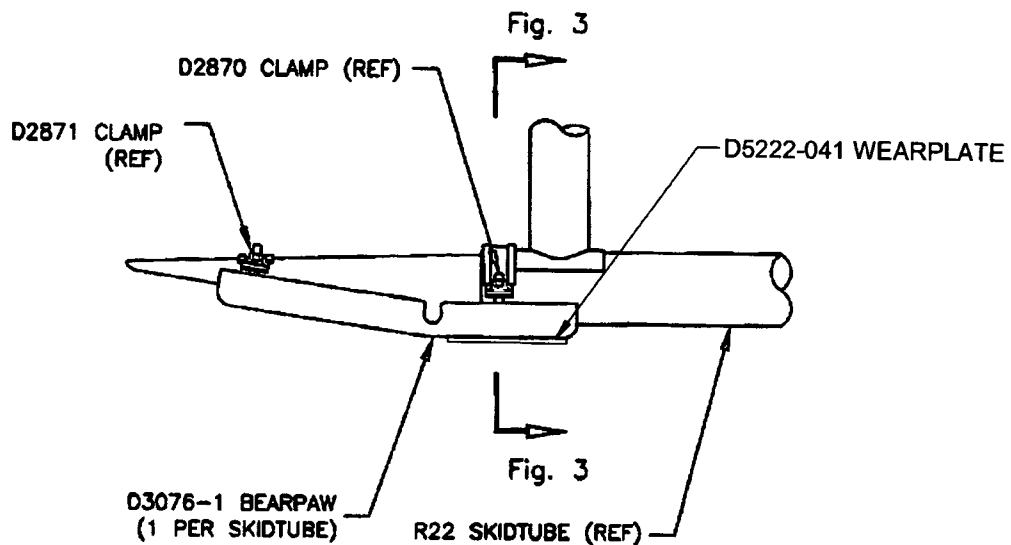


Figure 2 - Bearpaw Location
(Side View)

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DAO # 01-O-01

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BY: *[Signature]*
D. SHEPHERD (DE # 02)

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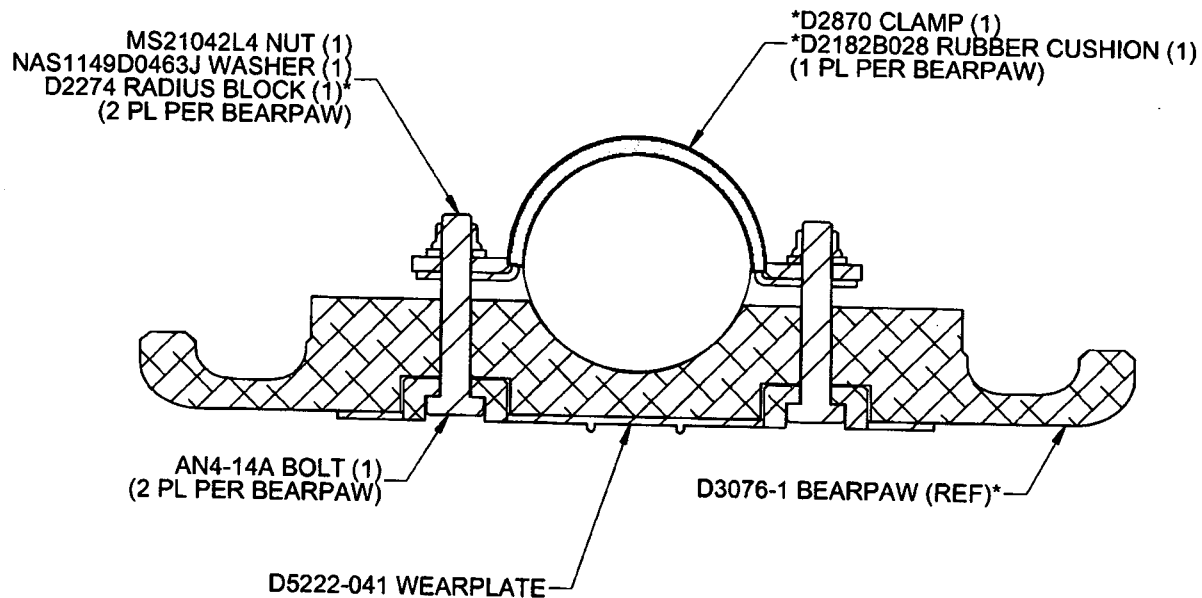


Figure 3 - Bearpaw Installation
(Forward Clamp)
*Included in D022-661-011

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BRANCH
DAO # 01-O-01

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3.0 Weight and Balance

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D022-661-041 Wearplate kit	0.84 lb 0.38 kg	0.0 in 0.0 m	0.0 lb-k 0.0 m-k	118.3 in 3.00 m	99.4 in-lb 1.14 m-k

4.0 Parts List

QTY -041	Part Number	Description
X	D022-661-041	WEARPLATE KIT
2	D5222-041	WEARPLATE
4	AN4-14A	BOLT
4	MS21042L4	NUT
4	NAS1149D0436J	WASHER

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DAO # 01-O-01

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REFERENCE ONLY

SMB

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